

1. (Amended) A composition comprising:

a first dye that blocks electromagnetic waves in at least one of the following regions:

visible and infrared; and

a substrate material, the substrate material and the first dye being chosen and blended in proportion so that the composition ablates upon impact of electric energy.

14. (Amended) A composition resistant to an electric-arc comprising:

an infrared/optical dye; and

a substrate material, the infrared/optical dye and substrate material being chosen and blended in proportion so that the composition blocks electromagnetic waves and ablates when struck by radiation from an electric arc.

15. (Amended) The composition according to claim 14, wherein the infrared/optical dye

is selected from at least one of the group consisting of optical dyes and infrared dyes.

16. (Amended) The composition according to claim 14, wherein the infrared/optical dye

is substantially orange.

25. (Amended) A process for producing an electric-arc resistant composition comprising:

blending an infrared/optical dye with a substrate material; and

subjecting the blend to curing conditions.